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AUTHOR La Bouff, Anthony; Bailey, Jerry
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ABSTRACT

This report describes the midterm and final tests administered to pupils in the Quality Assurance classes using the First Year Communication Skills Program. The tests included both selected and constructed response items and were designed to be individually administered to pupils. The results are reported for each eight outcome subscores (selected and constructed) as well as for selected response and constructed subscores and the grand total. Means, standard deviations, and frequency distributions are provided for each. The results of the final testing are also reported by the number of units pupils completed. (Author)

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AUTHORS: Anthony La Bouff and Jerry Bailey

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This report describes the midterm and final tests administered to pupils in the Quality Assurance classes using the First Year Communication Skills Program. The tests included both selected and constructed response items and were designed to be individually administered to pupils. The results are reported for each of eight outcome subscores (selected and constructed) as well as for selected response and constructed response subscores and the grand total. Means, standard deviations, and frequency distributions are provided for each. The results of the final testing are also reported by the number of units pupils completed.

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MIDTERM AND FINAL TESTING OF QUALITY ASSURANCE CLASSES
USING THE FIRST YEAR COMMUNICATION SKILLS PROGRAM

As part of the Quality Assurance procedures, midterm and final tests were administered to a sample of the classes participating in the 1970-71 First Year Communication Skills Program (FYCSP). These tests were designed to measure pupil performance midway and at the end of the school year.

The tests include items on each of the four outcomes in FYCSP: Words, Word Elements, Word Attack, and Letter Names (see Appendixes A and B). Achievement on each outcome was evaluated by five selected response and five constructed response items. The test results by outcome and item type (selected and constructed) for both tests are presented and discussed in this paper.

Sample

Approximately five percent of all those classes using the FYCSP participated in Quality Assurance.[1] Midterm tests were given only to Quality Assurance classes which were not using the Instructional Concepts Program (ICP) in conjunction with FYSCP. Classes using both ICP and FYCSP were only given the posttest. The reason for excluding the ICP-FYCSP classes from midterm testing was the ICP final test (TN 5-71-46). This final test was administered in most classes near the middle of the school year. Asking these classes to administer the FYCSP midterm test would have added a considerable additional testing burden while providing only limited additional information. Since only one district in the Quality Assurance sample did not use the ICP, the midterm sample only includes 184 pupils.

The final test was administered to a much larger sample. Seventy-seven classes in the FYCSP Quality Assurance sample were sent test materials. However, test data from 11 of those classes who never participated in the program were not received. Of the 66 remaining Quality Assurance classes, 56 returned posttest information providing scores for 1520 pupils.

Procedures for Midterm

In February, 1971, a packet containing midterm test sheets (covering the first five units of the FYCSP), stimulus cards, directions, a cover letter explaining the purpose and procedures, and a pre-addressed, postage-paid return envelope was mailed to the teachers. The cover letter (see Appendix C) directed the teachers to administer the midterm test individually to pupils between March 1, and March 12, 1971. The instructions emphasized that the teacher should present all items on the test to each

[1] The criteria for selecting the sample group are discussed in TN 5-71-54, "The Development of the 1970-71 Quality Assurance Procedures."

pupil in the program. The teacher had the option of testing all pupils on one day or staggering the testing over the time period. The directions (see Appendix D) explained the procedures for presenting each item and recording each pupil's scores. Test sheets were returned to SWRL via a pre-addressed, postage-paid envelope enclosed in the test packet.

Procedures for Posttest

The procedures for the posttest were similar to those used for the midterm tests. In May, 1971, a packet containing the posttest sheets (covering all 10 units), stimulus cards, directions (same as for the midterm), a pre-addressed, postage-paid return envelope, and a cover letter was sent to the teachers. Teachers were asked to administer the test anytime before June 4, 1971 (see Appendix E). As with the midterm, all items were to be presented to each pupil individually.

Midterm Results

Table 1 presents the results of the FYCSP midterm giving the means, standard deviations, and frequency distributions (both number and percent) of the scores on each section of the test. The data for the selected and constructed response subtotals and the grand total are also included. Histograms are presented in Figures 1-3.

Table 1

FYCSP MIDTERM TEST RESULTS

MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS

N = 184

OUTCOMES	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
Selected Words	4.50	.76	0	0	3	21	42	118	0.0	0.0	1.6	11.4	22.8	64.1
Selected Word Element	4.64	.74	1	0	4	7	35	137	0.5	0.0	2.2	3.8	19.0	74.5
Selected Word Attack	3.30	1.38	5	15	36	36	47	45	2.7	8.2	19.6	19.6	25.5	24.5
Selected Letter Names	4.43	.85	0	2	5	17	48	112	0.0	1.1	2.7	9.2	26.1	60.9
Constructed Words	3.30	1.44	6	15	37	39	34	53	3.3	8.2	20.1	21.2	18.5	28.8
Constructed Word Element	3.57	1.52	15	7	15	31	53	63	8.2	3.8	8.2	16.8	28.8	34.2
Constructed Word Attack	2.04	1.81	53	34	26	22	21	28	28.8	18.5	14.1	12.0	11.4	15.2
Constructed Letter Names	4.51	1.00	1	4	8	11	23	137	0.5	2.2	4.3	6.0	12.5	74.5

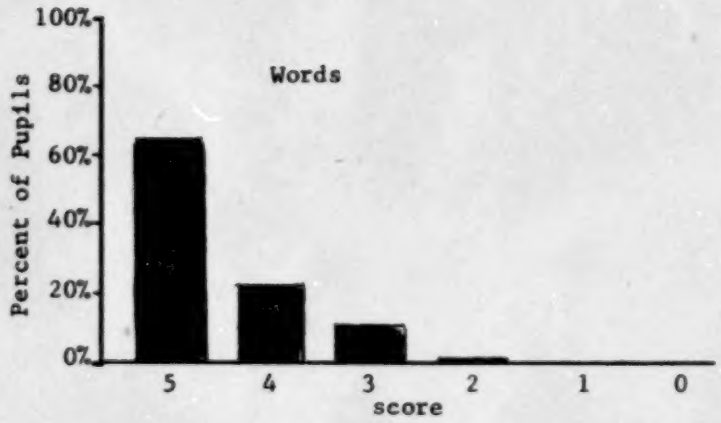
TOTALS	$\bar{X}$	S.D.	NUMBER Score 0-4	5-8	9-12	13-16	17-20	PERCENT Score 0-4	5-8	9-12	13-16	17-20
Selected Total	16.82	2.75	0	0	20	47	117	0.0	0.0	10.9	25.5	63.6
Constructed Total	13.50	4.69	8	18	51	48	59	4.3	9.8	27.7	26.1	32.1

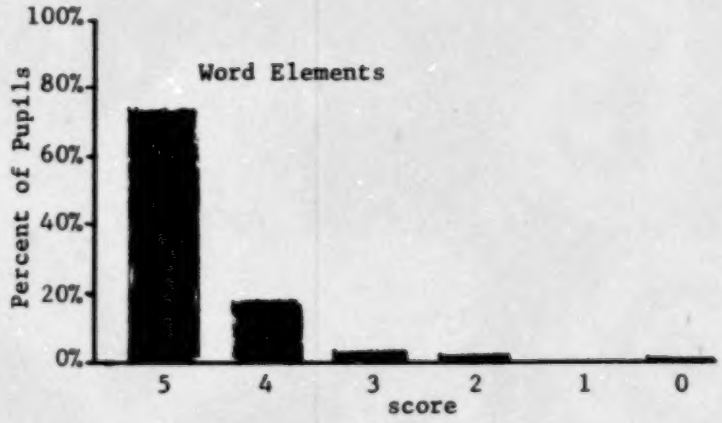
	$\bar{X}$	S.D.	NUMBER Score 0-8	9-16	17-24	25-32	33-40	PERCENT Score 0-8	9-16	17-24	25-32	33-40
GRAND TOTAL	30.44	6.96	0	11	21	73	79	0.0	6.0	11.4	39.7	42.9

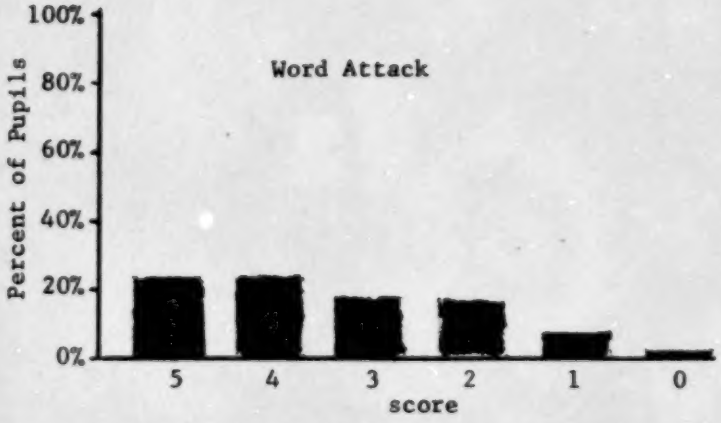
Figure 1

FREQUENCY DISTRIBUTIONS OF THE

FYCSP MIDTERM SELECTED OUTCOME SCORES







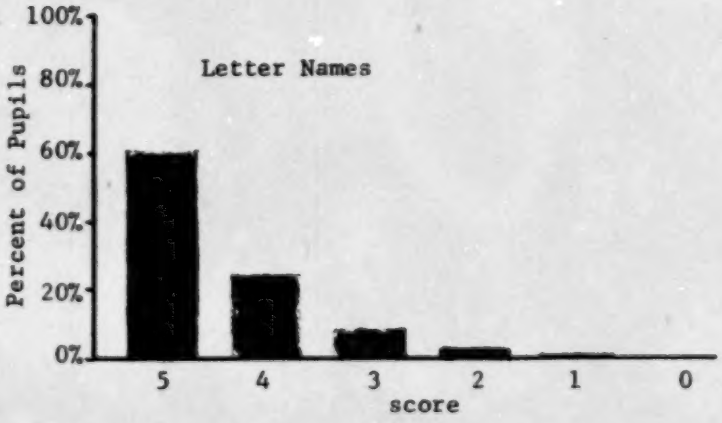
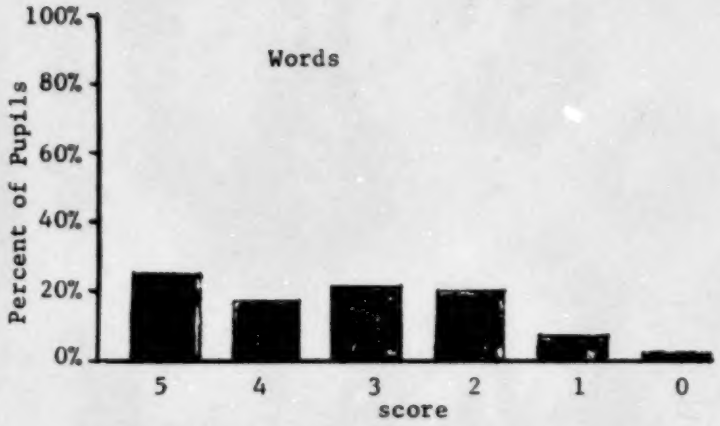
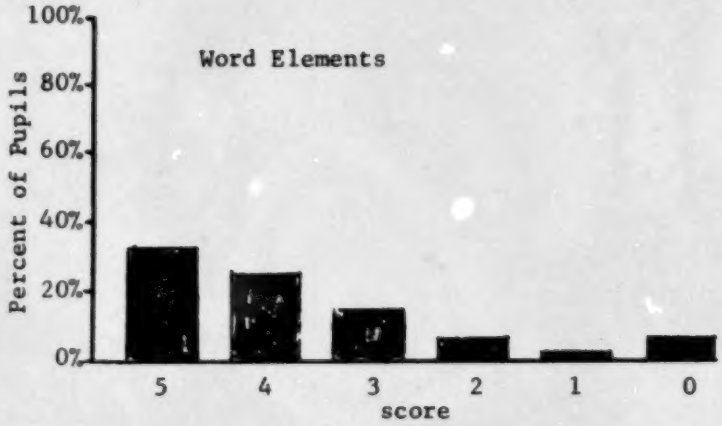


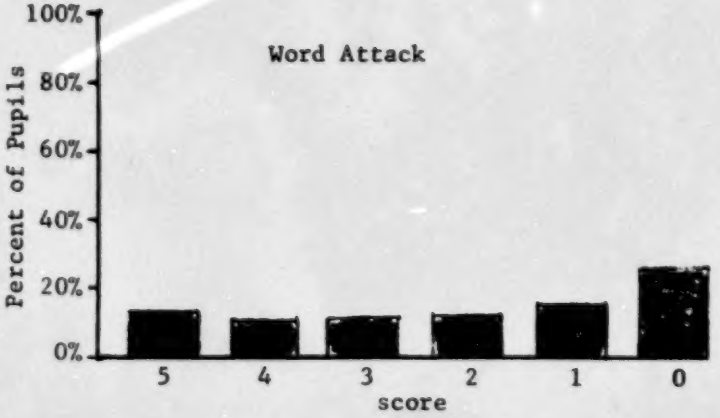
Figure 2

FREQUENCY DISTRIBUTIONS OF THE

FYCSP MIDTERM CONSTRUCTED OUTCOME SCORES







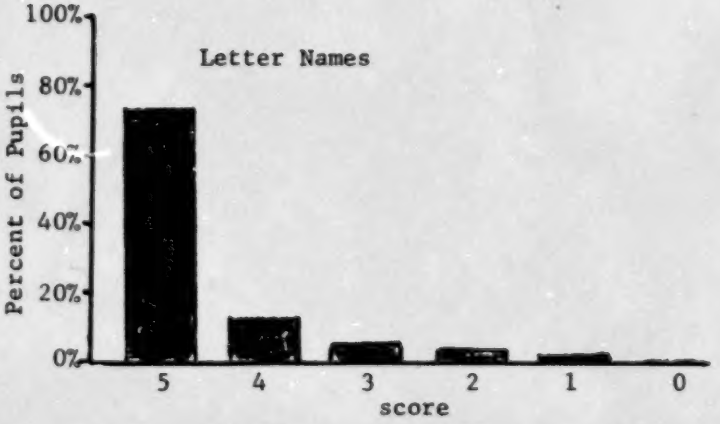
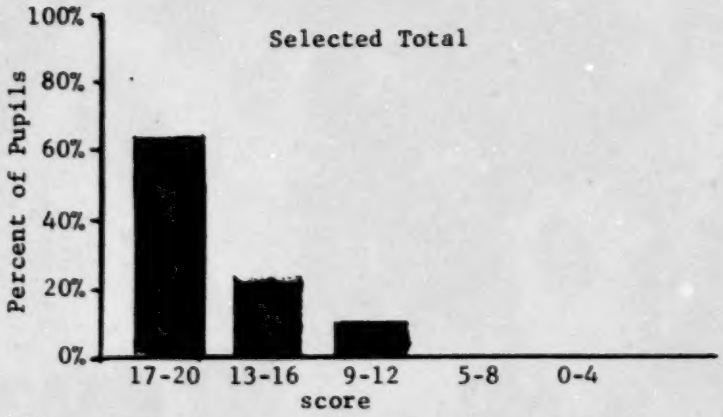
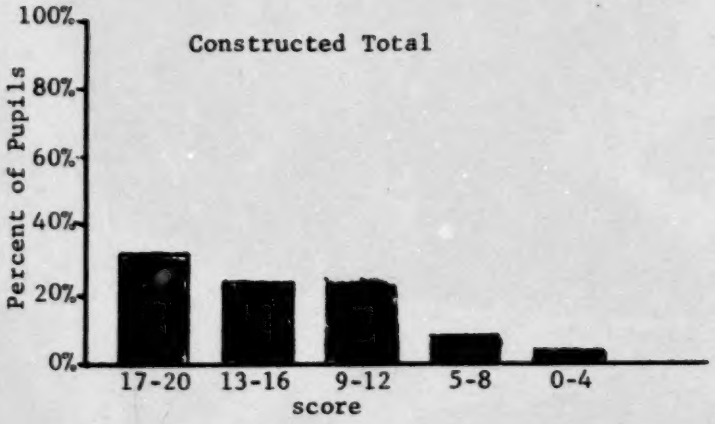


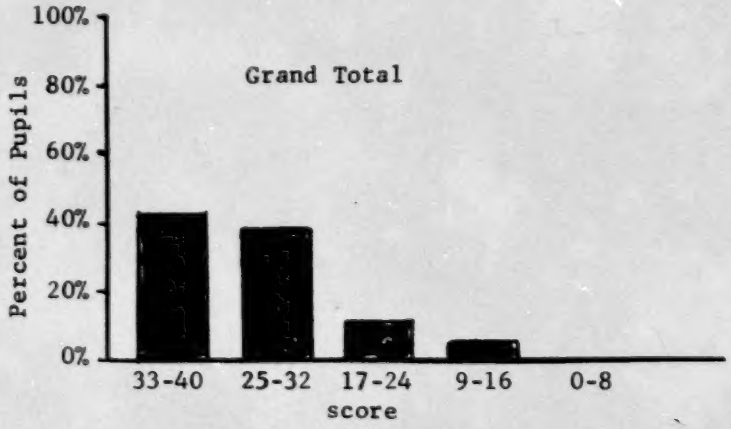
Figure 3

FREQUENCY DISTRIBUTIONS OF THE

FYCSP MIDTERM TOTAL SCORES







Posttest Results

Table 2 and Figures 4-6 present the results of the posttest. In general, the posttest results follow a pattern similar to that of the midterm results.

Figures 7 and 8 give graphs, by unit completed, of the mean scores on the posttest. Figure 7 gives these means for the selected response and Figure 8 for the constructed response subscores. Tables 3-13 present the means, standard deviations, and frequency distributions on each section of the test and the totals by the number of units completed. The number of units completed was determined individually by looking up the last Criterion Exercise that was received for each pupil. For all sections of the posttest, there is a trend for the mean score to increase as the number of units completed increases with two notable exceptions.

The first exception is for pupils for whom no unit Criterion Exercises were received. These pupils were assumed to have completed 0 units of the program. The results indicate, however, that they attain higher scores than those pupils completing 1 or 2 units. This result appears to be due to incomplete Criterion Exercise information for the pupils in the 0 units completed group. They most likely completed at least part of the program, but no data were forwarded to the Laboratory for them. As a result, they are placed in the category of 0 units completed and elevate the mean score for this group.

The second exception is more difficult to account for. Pupils completing five units of the program score considerably less than pupils who complete four units. This trend is consistent across all four program outcomes and both types of item responses (constructed and selected). However, a closer look at the pupils included in this category provides a partial explanation. Although 97 pupils were listed as completing unit 5, 63 were from one school which had mean scores on each outcome which were considerably below the overall means. It is the lower performance exhibited by this particular school that accounts for the deviation from the trend at this point on the graphs.

Table 2

FYCSP POSTTEST RESULTS

MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS

N = 1520

OUTCOMES	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
Selected Words	4.02	1.13	9	46	111	260	403	691	0.6	3.0	7.3	17.1	26.5	45.5
Selected Word Elements	4.27	1.01	8	22	80	179	377	854	0.5	1.4	5.3	11.8	24.8	56.2
Selected Word Attack	3.45	1.42	35	138	242	282	345	478	2.3	9.1	15.9	18.6	22.7	31.5
Selected Letter Names	4.72	0.61	0	5	16	50	270	1179	0.0	0.3	1.1	3.3	17.8	77.6
Constructed Words	3.33	1.59	99	160	189	260	313	499	6.5	10.5	12.4	17.1	20.6	32.8
Constructed Word Elements	3.30	1.51	49	181	261	269	293	467	3.2	11.9	17.2	17.7	19.3	30.7
Constructed Word Attack	2.02	1.89	518	220	179	171	182	250	34.1	14.5	11.8	11.3	12.0	16.4
Constructed Letter Names	4.20	1.26	28	62	99	142	253	936	1.8	4.1	6.5	9.3	16.6	61.6

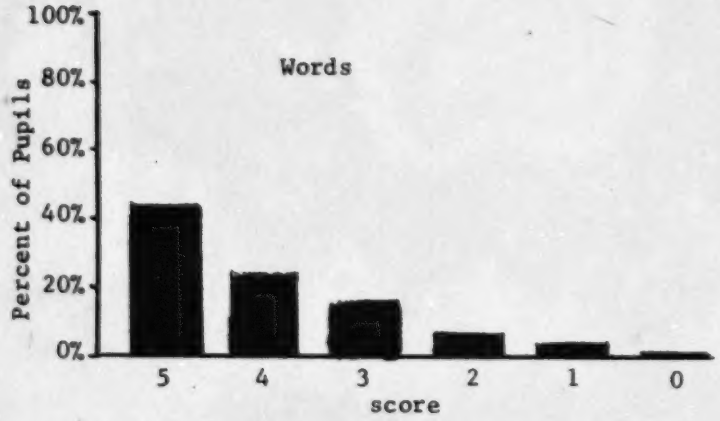
TOTALS	$\bar{X}$	S.D.	NUMBER Score 0-4	5-8	9-12	13-16	17-20	PERCENT Score 0-4	5-8	9-12	13-16	17-20
Selected Total	16.44	3.31	4	29	165	463	859	0.3	1.9	10.9	30.5	56.5
Constructed Total	12.83	5.33	111	252	335	345	477	7.3	16.6	22.0	22.7	31.4

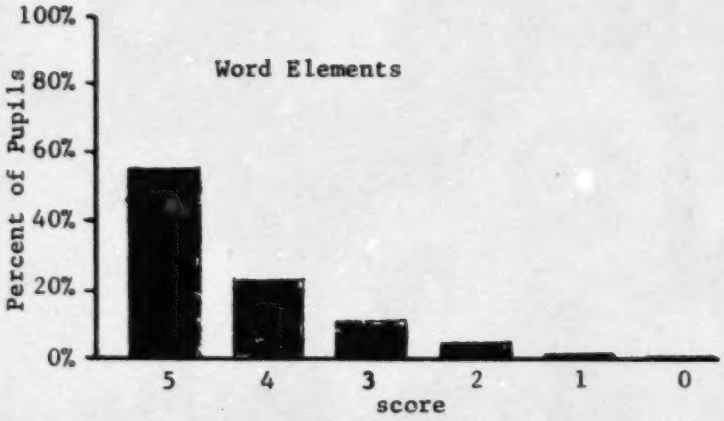
	$\bar{X}$	S.D.	NUMBER Score 0-8	9-16	17-24	25-32	33-40	PERCENT Score 0-8	9-16	17-24	25-32	33-40
GRAND TOTAL	29.28	8.23	14	101	328	444	633	0.9	6.6	21.6	29.2	41.6

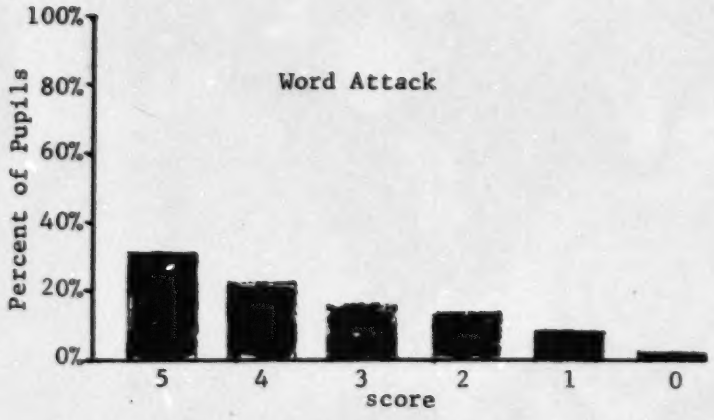
Figure 4

FREQUENCY DISTRIBUTIONS OF THE

FYCSP POSTTEST SELECTED OUTCOME SCORES







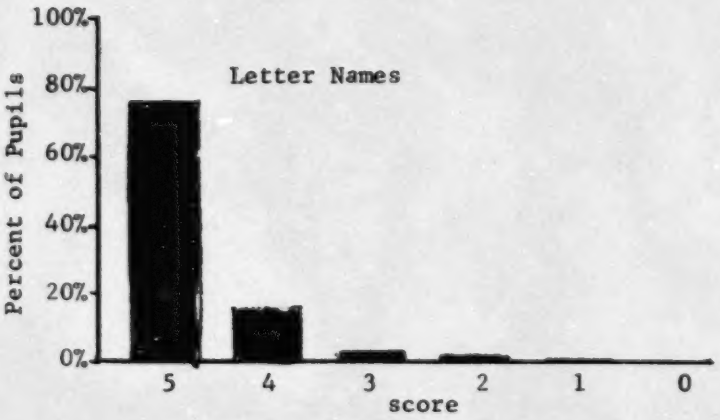
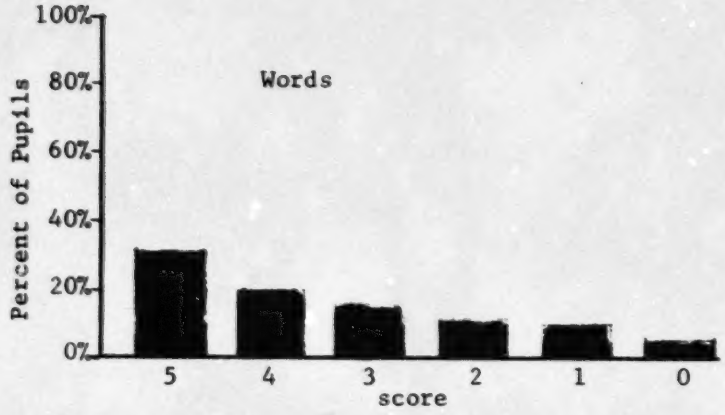
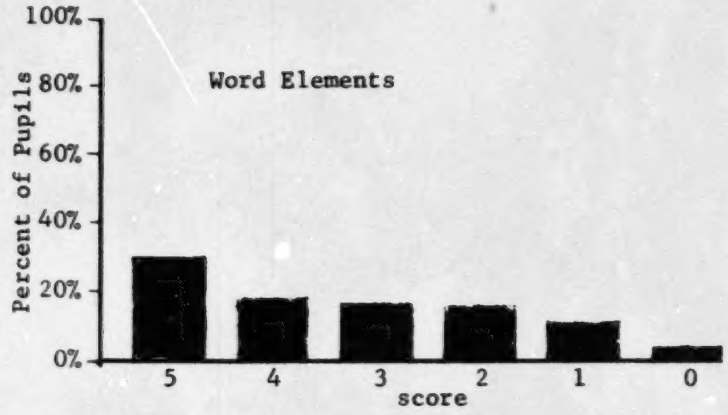


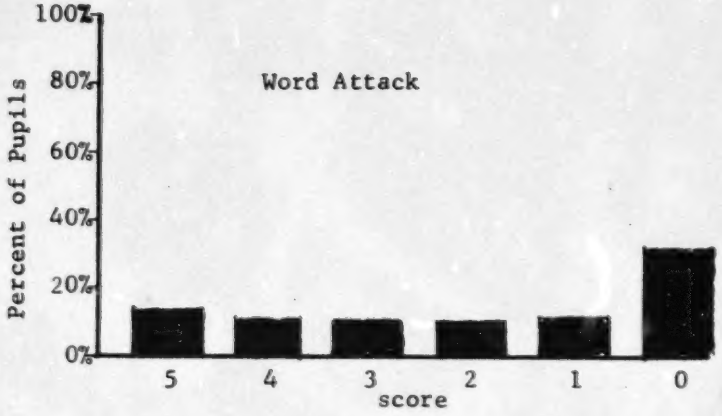
Figure 5

FREQUENCY DISTRIBUTIONS OF THE

FYCSP POSTTEST CONSTRUCTED OUTCOME SCORES







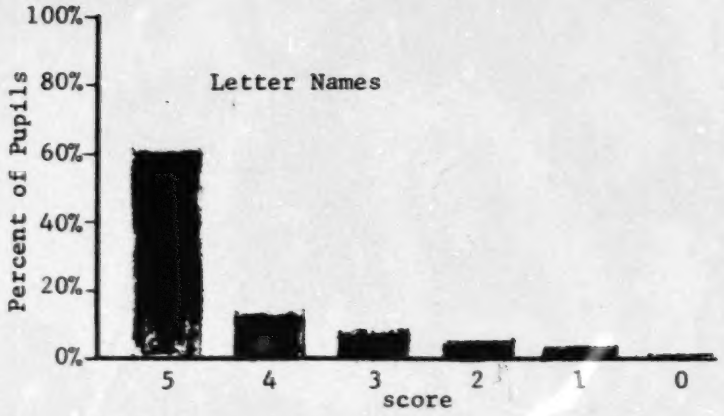
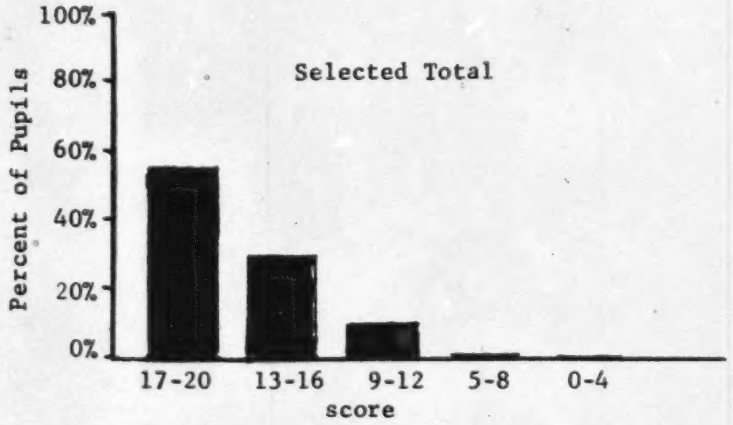
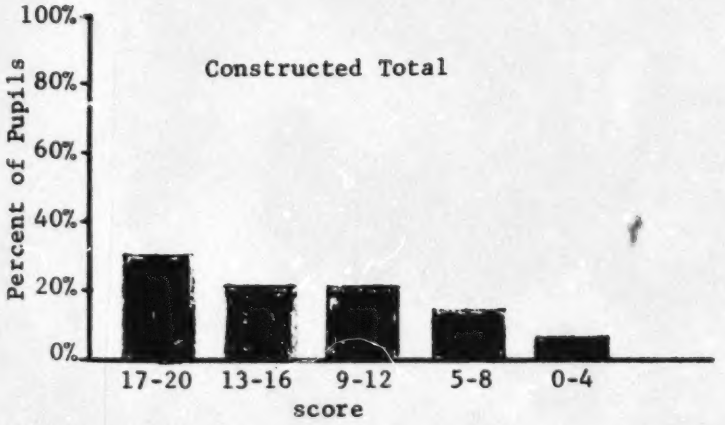


Figure 6

FREQUENCY DISTRIBUTIONS OF THE

FYCSP POSTTEST TOTAL SCORES





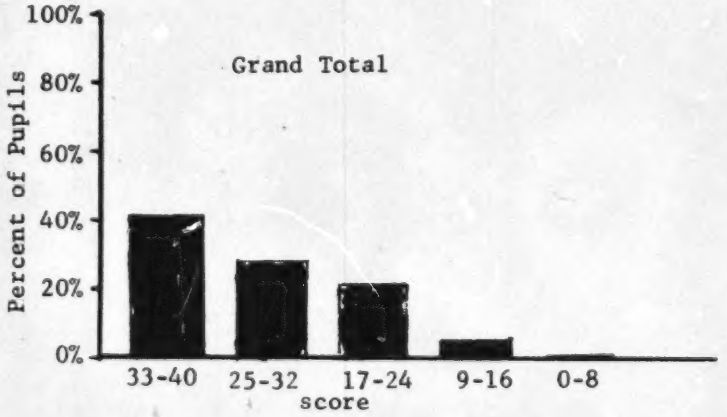
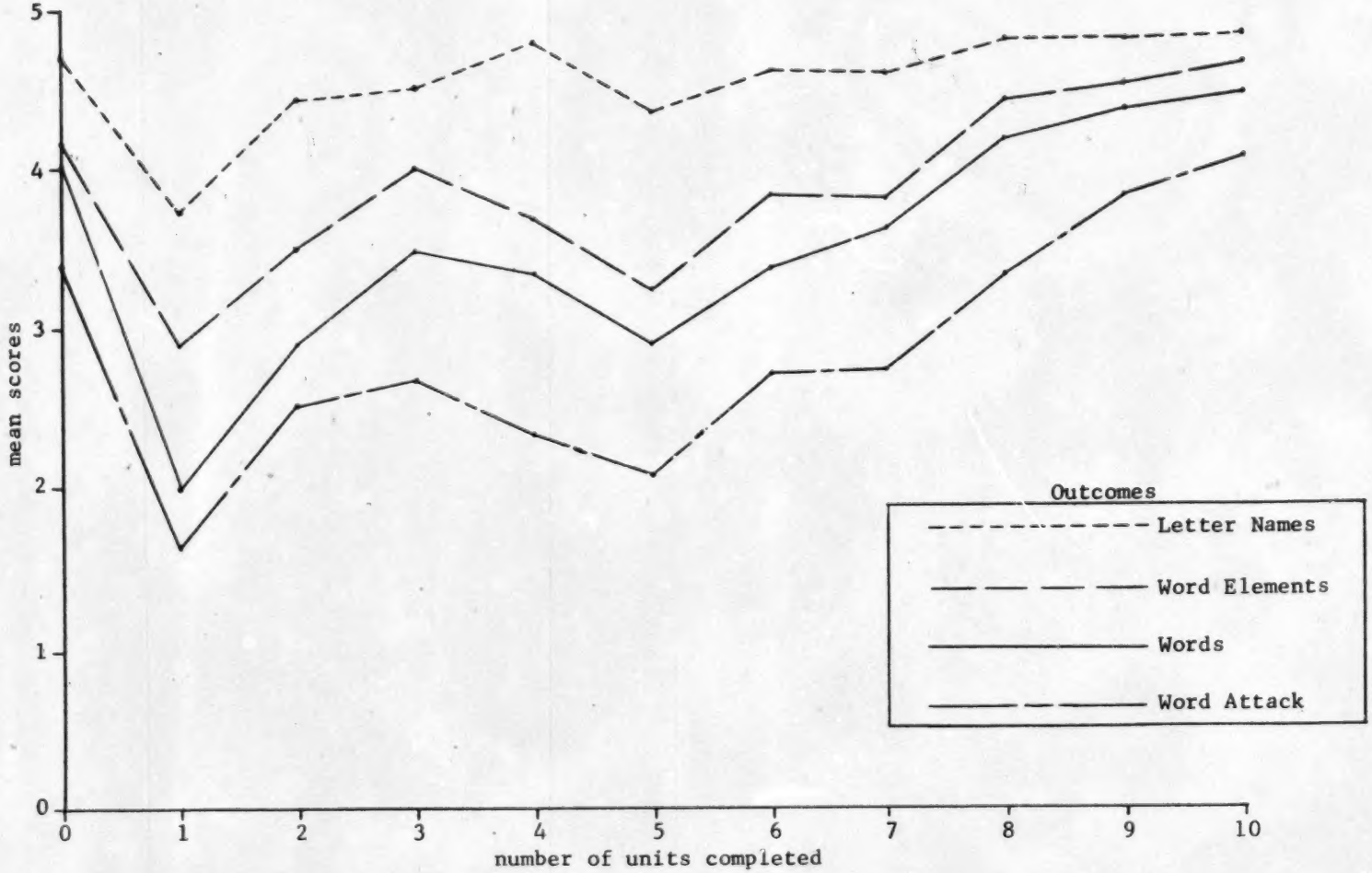
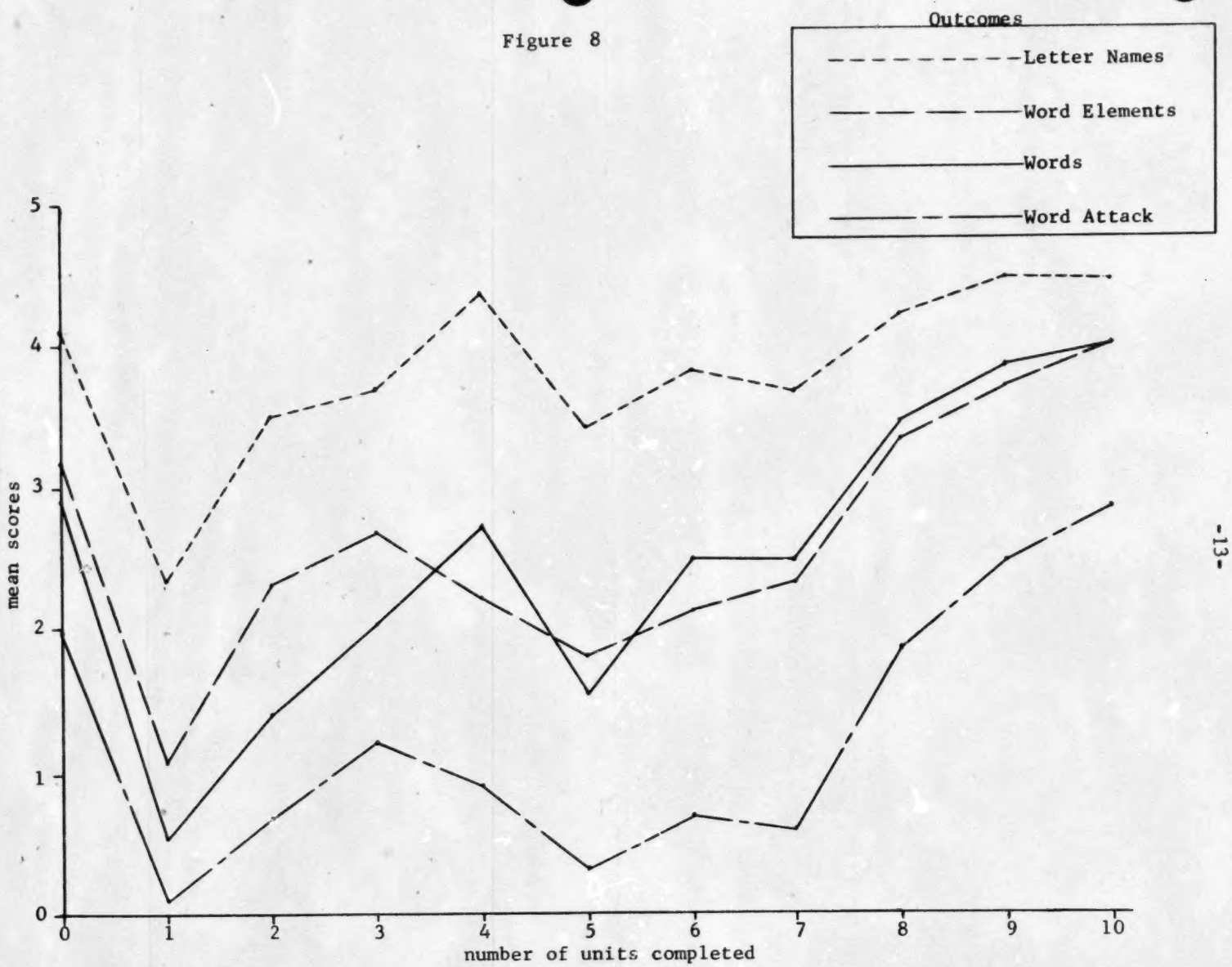


Figure 7



FYCSP POSTTEST MEAN SCORES BY NUMBER OF
UNITS COMPLETED FOR SELECTED OUTCOMES

Figure 8



FYCSP POSTTEST MEAN SCORES BY NUMBER OF
UNITS COMPLETED FOR CONSTRUCTED OUTCOMES

Table 3

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE SELECTED WORD OUTCOME

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
42	0	4.02	1.21	0	3	2	6	11	20	0.0	7.1	4.8	14.3	26.2	47.6
11	1	2.00	0.85	0	4	3	4	0	0	0.0	36.4	27.3	36.4	0.0	0.0
16	2	2.94	0.97	0	2	1	10	2	1	0.0	12.5	6.3	62.5	12.5	6.3
54	3	3.48	1.20	1	3	4	20	13	13	1.9	5.6	7.4	37.0	24.0	24.0
95	4	3.34	1.11	0	7	12	33	28	15	0.0	7.4	12.6	34.7	29.5	15.8
97	5	2.89	1.17	2	9	29	19	34	4	2.1	9.3	29.9	19.6	35.1	4.1
149	6	3.37	1.17	0	9	26	46	37	31	0.0	6.0	17.5	30.9	24.8	20.8
78	7	3.60	1.08	2	1	7	20	34	14	2.6	1.3	9.0	25.6	43.6	17.9
100	8	4.16	0.96	1	0	4	17	33	45	1.0	0.0	4.0	17.0	33.0	45.0
122	9	4.37	0.79	0	0	2	18	35	67	0.0	0.0	1.6	14.7	28.7	54.9
756	10	4.44	0.89	3	8	21	67	176	481	0.4	1.1	2.8	8.9	23.3	63.6

Table 4

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE SELECTED WORD ELEMENT OUTCOME

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
42	0	4.14	1.23	0	2	5	2	9	24	0.0	4.8	11.9	4.8	21.4	57.1
11	1	2.91	1.00	0	0	5	3	2	1	0.0	0.0	45.5	27.3	18.2	9.1
16	2	3.50	1.06	0	1	1	6	5	3	0.0	6.3	6.3	37.5	31.3	18.8
54	3	4.00	1.33	1	4	3	5	14	27	1.9	7.4	5.6	9.3	25.9	50.0
95	4	3.67	1.04	2	0	8	28	36	21	2.1	0.0	8.4	29.5	37.9	22.1
97	5	3.24	1.23	2	8	14	28	31	14	2.1	8.3	14.4	28.9	32.0	14.4
149	6	3.83	1.00	0	2	15	33	55	44	0.0	1.3	10.1	22.1	36.9	29.5
78	7	3.79	1.15	2	1	7	14	31	23	2.6	1.3	9.0	17.9	39.7	29.5
100	8	4.42	0.81	0	0	4	9	28	59	0.0	0.0	4.0	9.0	28.0	59.0
122	9	4.50	0.79	0	0	4	11	27	80	0.0	0.0	3.3	9.0	22.1	65.6
756	10	4.63	0.73	1	4	14	40	139	558	0.1	0.6	1.9	5.3	18.4	73.8

Table 5

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE SELECTED WORD ATTACK OUTCOME

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
42	0	3.38	1.40	2	3	3	15	7	12	4.8	7.1	7.1	35.7	16.7	28.6
11	1	1.64	0.98	1	5	2	3	0	0	9.1	45.5	18.2	27.3	0.0	0.0
16	2	2.50	1.23	0	3	7	3	1	2	0.0	18.8	43.8	18.8	6.3	12.5
54	3	2.65	1.25	1	9	18	10	12	4	1.9	16.7	33.3	18.5	22.2	7.4
95	4	2.32	1.20	5	23	24	23	20	0	5.3	24.2	25.3	24.2	21.1	0.0
97	5	2.08	1.04	5	22	39	25	3	3	5.2	22.7	40.2	25.8	3.1	3.1
149	6	2.70	1.18	4	21	39	44	34	7	2.7	14.1	26.2	29.5	22.8	4.7
78	7	2.71	1.43	5	13	17	17	17	9	6.4	16.7	21.8	21.8	21.8	11.5
100	8	3.32	1.20	1	7	17	26	32	17	1.0	7.0	17.0	26.0	32.0	17.0
122	9	3.80	1.23	3	2	14	23	35	45	2.5	1.6	11.5	18.9	28.7	36.9
756	10	4.05	1.21	8	30	62	93	184	379	1.1	4.0	8.2	12.3	24.3	50.1

Table 6

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE SELECTED LETTER OUTCOME

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
42	0	4.69	0.60	0	0	0	3	7	32	0.0	0.0	0.0	7.1	16.7	76.2
11	1	3.73	1.21	0	1	1	1	5	3	0.0	9.1	9.1	9.1	45.5	27.3
16	2	4.44	0.93	0	0	1	2	2	11	0.0	0.0	6.3	12.5	12.5	68.8
54	3	4.50	0.90	0	1	2	3	11	37	0.0	1.9	3.7	5.6	20.4	68.5
95	4	4.77	0.57	0	0	1	4	11	79	0.0	0.0	1.1	4.2	11.6	83.2
97	5	4.35	0.90	0	1	5	7	30	54	0.0	1.0	5.2	7.2	30.9	55.7
149	6	4.62	0.67	0	1	0	10	33	105	0.0	0.7	0.0	6.7	22.1	70.5
78	7	4.60	0.65	0	0	1	4	20	53	0.0	0.0	1.3	5.1	25.6	67.9
100	8	4.78	0.52	0	0	1	2	15	82	0.0	0.0	1.0	2.0	15.0	82.0
122	9	4.77	0.46	0	0	0	2	24	96	0.0	0.0	0.0	1.6	19.7	78.7
756	10	4.80	0.49	0	1	4	12	112	627	0.0	0.1	0.5	1.6	14.8	82.9

Table 7

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE CONSTRUCTED WORD OUTCOME

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
42	0	2.88	1.71	4	8	5	8	6	11	9.5	19.0	11.9	19.0	14.3	26.2
11	1	0.55	0.89	7	3	0	1	0	0	63.6	27.3	0.0	9.1	0.0	0.0
16	2	1.44	1.27	4	5	5	1	0	1	25.0	31.3	31.3	6.3	0.0	6.3
54	3	2.02	1.62	11	15	7	9	7	5	20.4	27.8	13.0	16.7	13.0	9.3
95	4	2.72	1.37	6	16	16	24	27	6	6.3	16.8	16.8	25.3	28.4	6.3
97	5	1.58	1.18	19	32	25	13	8	0	19.6	33.0	25.8	13.4	8.2	0.0
149	6	2.49	1.40	15	25	28	45	25	11	10.1	16.8	18.8	30.2	16.8	7.4
78	7	2.49	1.42	8	12	19	18	15	6	10.3	15.4	24.4	23.1	19.2	7.7
100	8	3.45	1.24	1	6	18	20	32	23	1.0	6.0	18.0	20.0	32.0	23.0
122	9	3.86	1.40	3	8	13	13	27	58	2.5	6.6	10.7	10.7	22.1	47.5
756	10	3.99	1.31	21	30	53	108	166	378	2.8	4.0	7.0	14.0	22.0	50.0

Table 8

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE CONSTRUCTED WORD ELEMENT OUTCOME

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
42	0	3.14	1.67	3	6	6	8	5	14	7.1	14.3	14.3	19.0	11.9	33.3
11	1	1.09	0.79	2	7	1	1	0	0	18.2	63.6	9.1	9.1	0.0	0.0
16	2	2.31	1.36	1	5	3	2	5	0	6.3	31.3	18.8	12.5	31.3	0.0
54	3	2.65	1.40	3	12	7	16	11	5	5.6	22.2	13.0	29.6	20.4	9.3
95	4	2.20	1.11	4	22	34	24	8	3	4.2	23.2	35.8	25.3	8.4	3.2
97	5	1.80	0.94	5	31	45	12	2	2	5.2	32.0	46.4	12.4	2.1	2.1
149	6	2.12	1.12	8	39	48	38	13	3	5.4	26.2	32.2	25.5	8.7	2.0
78	7	2.33	1.33	6	17	20	20	10	5	7.7	21.8	25.6	25.6	12.8	6.4
100	8	3.33	1.41	0	14	19	15	24	28	0.0	14.0	19.0	15.0	24.0	28.0
122	9	3.71	1.30	0	9	17	20	30	46	0.0	7.4	13.9	16.4	24.6	37.7
756	10	4.00	1.24	17	19	61	113	185	361	2.2	2.5	8.1	14.9	24.5	47.8

Table 9

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE CONSTRUCTED WORD ATTACK OUTCOME

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
42	0	1.98	1.91	15	6	4	7	2	8	35.7	14.3	9.5	16.7	4.8	19.0
11	1	0.09	0.29	10	1	0	0	0	0	90.9	9.1	0.0	0.0	0.0	0.0
16	2	0.69	1.16	10	4	0	1	1	0	62.5	25.0	0.0	6.3	6.3	0.0
54	3	1.24	1.62	31	3	4	11	2	3	57.4	5.6	7.4	20.4	3.7	5.6
95	4	0.91	1.11	49	18	19	6	3	0	51.6	18.9	20.0	6.3	3.2	0.0
97	5	0.33	0.80	77	14	2	2	2	0	79.4	14.4	2.1	2.1	2.1	0.0
149	6	0.70	1.10	89	37	10	7	4	2	59.7	24.8	6.7	4.7	2.7	1.3
78	7	0.61	1.11	52	15	5	2	3	1	66.7	19.2	6.4	2.6	3.8	1.3
100	8	1.87	1.70	31	18	14	17	10	10	31.0	18.0	14.0	17.0	10.0	10.0
122	9	2.47	1.84	27	17	19	15	19	25	22.1	13.9	15.6	12.3	15.6	20.5
756	10	2.84	1.82	127	87	102	103	136	201	16.8	11.5	13.5	13.6	18.0	26.6

Table 10

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE CONSTRUCTED LETTER OUTCOME

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0	1	2	3	4	5	PERCENT Score 0	1	2	3	4	5
42	0	4.09	1.31	1	2	2	6	7	24	2.4	4.8	4.8	14.3	16.7	57.1
11	1	2.36	0.88	0	2	4	4	1	0	0.0	18.2	36.4	36.4	9.1	0.0
16	2	3.50	1.62	1	2	0	5	1	7	6.3	12.5	0.0	31.3	6.3	43.8
54	3	3.69	1.54	2	6	3	10	8	25	3.7	11.1	5.6	18.5	14.8	46.3
95	4	4.37	1.16	2	1	7	6	13	66	2.1	1.1	7.4	6.3	13.7	69.5
97	5	3.42	1.49	4	11	10	16	27	29	4.1	11.3	10.3	16.5	27.8	29.9
149	6	3.81	1.45	4	11	16	20	26	72	2.7	7.4	10.7	13.4	17.5	48.3
78	7	3.64	1.55	5	3	11	12	12	35	6.4	3.8	14.1	15.4	15.4	44.9
100	8	4.19	1.21	1	5	5	10	21	58	1.0	5.0	5.0	10.0	21.0	58.0
122	9	4.47	0.99	0	3	7	6	19	87	0.0	2.5	5.7	4.9	15.6	71.3
756	10	4.45	1.05	8	16	34	47	118	533	1.1	2.1	4.5	6.2	15.6	70.5

Table 11

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE SELECTED TOTAL

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0-4	5-8	9-12	13-16	17-20	PERCENT Score 0-4	5-8	9-12	13-16	17-20
42	0	16.25	3.59	0	1	8	7	26	0.0	2.4	19.0	16.7	61.9
11	1	10.27	2.09	0	3	6	2	0	0.0	27.3	54.5	18.2	0.0
16	2	13.37	2.89	0	1	5	8	2	0.0	6.3	31.3	50.0	12.5
54	3	14.63	3.49	0	5	8	25	16	0.0	9.3	14.8	46.3	29.6
95	4	14.12	2.48	1	0	19	56	19	1.1	0.0	20.0	58.9	20.0
97	5	12.60	2.88	0	7	37	46	7	0.0	7.2	38.1	47.4	7.3
149	6	14.52	2.80	0	3	33	76	37	0.0	2.0	22.1	51.0	24.8
78	7	14.60	3.12	2	0	12	43	21	2.6	0.0	15.4	55.1	26.9
100	8	16.69	2.49	0	1	5	35	59	0.0	1.0	5.0	35.0	59.0
122	9	17.44	2.37	0	1	2	34	85	0.0	0.8	1.6	27.9	69.7
756	10	17.90	2.68	1	7	30	131	587	0.1	0.9	4.0	17.3	77.6

Table 12

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE CONSTRUCTED TOTAL

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0-4	5-8	9-12	13-16	17-20	PERCENT Score 0-4	5-8	9-12	13-16	17-20
42	0	12.09	5.51	3	8	11	10	10	7.1	19.0	26.2	23.8	23.8
11	1	4.09	2.07	9	1	1	0	0	81.8	9.1	9.1	0.0	0.0
16	2	7.75	4.38	3	5	7	0	1	18.8	31.3	43.8	0.0	6.3
54	3	9.56	5.00	10	11	16	14	3	18.5	20.4	29.6	25.9	5.6
95	4	10.17	3.64	5	28	36	24	2	5.3	29.5	37.9	25.3	2.1
97	5	7.09	3.38	21	45	25	4	2	21.7	46.4	25.8	4.1	2.1
149	6	9.13	4.15	20	47	50	26	6	13.4	31.5	33.6	17.4	4.0
78	7	9.03	4.22	11	29	24	9	5	14.1	37.2	30.8	11.5	6.4
100	8	12.80	4.24	2	20	19	39	20	2.0	20.0	19.0	39.0	20.0
122	9	14.47	4.46	2	12	25	31	52	1.6	9.8	20.5	25.4	42.6
756	10	15.26	4.59	25	46	121	188	376	3.3	6.1	16.0	24.9	49.0

Table 13

FYCSP POSTTEST MEANS, STANDARD DEVIATIONS, AND FREQUENCY DISTRIBUTIONS BY UNIT COMPLETED FOR THE GRAND TOTAL

N	Unit Complete	$\bar{X}$	S.D.	NUMBER Score 0-8	9-16	17-24	25-32	33-40	PERCENT Score 0-8	9-16	17-24	25-32	33-40
42	0	28.33	8.83	0	6	6	14	16	0.0	14.3	14.3	33.3	38.1
11	1	14.36	3.55	0	9	2	0	0	0.0	81.8	18.2	0.0	0.0
16	2	21.13	6.70	0	4	7	4	1	0.0	25.0	43.8	25.0	6.3
54	3	24.07	7.85	4	4	19	22	5	7.4	7.4	35.2	40.7	9.3
95	4	24.32	5.44	0	5	42	41	7	0.0	5.3	44.2	43.2	7.4
97	5	19.71	4.71	2	24	56	12	3	2.1	24.7	57.7	12.4	3.1
149	6	23.64	6.37	1	20	57	61	10	0.7	13.4	38.3	40.9	6.7
78	7	23.69	6.62	2	8	35	24	9	2.6	10.3	44.9	30.8	11.5
100	8	29.54	6.17	0	1	23	37	39	0.0	1.0	23.0	37.0	39.0
122	9	32.03	6.50	0	1	17	40	64	0.0	0.8	13.9	32.8	52.5
756	10	33.16	6.84	5	19	64	189	479	0.7	2.5	8.5	25.0	63.5

FYCSP MIDDLE TEST: 1970-71
Units 1-5

Name _____ School _____ District _____

Date _____ Teacher _____

Outcome 1: Words	Outcome 2: Word Elements	Outcome 3: Word Attack	Outcome 4: Letter Names
"Point to the word ____."	"Point to the letter(s) that make(s) the sound ____."	"Point to the word ____."	"Point to the letter ____."
1. Sam see sit + -	1. f s w + -	1. fit fad fat + -	1. M N H + -
2. it in is + -	2. eet it at + -	2. nill mill Nan + -	2. o h n + -
3. and Ann at + -	3. r th at + -	3. rat ran run + -	3. b d e + -
4. will with we + -	4. n an ad + -	4. Nat sun nun + -	4. B D E + -
5. fit fun feet + -	5. m un n + -	5. wit with will + -	5. s c i + -
Total Correct ____	Total Correct ____	Total Correct ____	Total Correct ____
"Read this word."	"Say the sound of this (these) letter(s)."	"Read this word."	"Say the name of this letter."
1. Mat + -	1. at + -	1. sad + -	1. S + -
2. meet + -	2. it + -	2. than + -	2. O + -
3. man + -	3. n + -	3. fan + -	3. w + -
4. with + -	4. ill + -	4. rat + -	4. r + -
5. what + -	5. r + -	5. mill + -	5. y + -
Total Correct ____	Total Correct ____	Total Correct ____	Total Correct ____

TOTAL CORRECT SELECTED RESPONSES ___

TOTAL CORRECT CONSTRUCTED RESPONSES ___

GRAND TOTAL CORRECT RESPONSES ____

Appendix A

FYCSP POSTTEST: 1970-71
Units 1-10

Name_____ School_____ District_____

Date_____ Teacher_____

Outcome 1: Words	Outcome 2: Word Elements	Outcome 3: Word Attack	Outcome 4: Letter Names
"Point to the word _____."	"Point to the letter(s) that make(s) the sound ____."	"Point to the word ____."	"Point to the letter ___."
1. set see sit + -	1. w t u + -	1. let lad fad + -	1. H N k + -
2. will weed well + -	2. s z f + -	2. hut hit had + -	2. e l I + -
3. me need nut + -	3. ell eed et + -	3. seed sell sill + -	3. d b p + -
4. shell sell sheet + -	4. en an et + -	4. run rut rat + -	4. z X e + -
5. hit his hid + -	5. n h b + -	5. beet bee sheet + -	5. z w t + -
Total Correct_____	Total Correct_____	Total Correct_____	Total Correct_____
"Read this word."	"Say the sound of this (these) letter(s)."	"Read this word."	"Say the name of this letter."
1. am + -	1. m + -	1. fad + -	1. A + -
2. the + -	2. an + -	2. bet + -	2. F + -
3. feet + -	3. ut + -	3. lit + -	3. u + -
4. sad + -	4. sh + -	4. hen + -	4. k + -
5. hand + -	5. b + -	5. feed + -	5. v + -
Total Correct_____	Total Correct_____	Total Correct_____	Total Correct_____

TOTAL CORRECT SELECTED RESPONSES___

TOTAL CORRECT CONSTRUCTED RESPONSES_____

GRAND TOTAL CORRECT RESPONSES___

Appendix B

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SWRL SOUTHWEST REGIONAL LABORATORY FOR EDUCATIONAL RESEARCH & DEVELOPMENT
11300 LA CIENEGA BOULEVARD · INGLEWOOD, CALIFORNIA 90304 · TELEPHONE 776-3800 AREA CODE 213

Appendix C

MIDTERM COVER LETTER

Each member of the Quality Assurance sample was asked to send Criterion Exercises to the Laboratory, and to administer and submit mid-program and end-of-program performance tests. The procedures for handling these data were explained during a visit to your school last Fall. It is now time to administer the mid-program performance test. Enclosed are the materials you will need to administer this test.

The test contains 40 items and is designed to be individually administered. Also enclosed is an instruction sheet which gives the procedures you should follow in administering the test, one set of stimulus cards, which is used to present the test items to each pupil, and an answer sheet for each pupil on which to record the pupil's responses.

The test includes questions on four separate outcomes of the First-Year Communication Skills Program. The content covers the first five units of the program. You should present all items in the test to each pupil even though they may not have received instruction on all five units at this time.

We ask that you administer the test between March 1 and March 12. You may test a part of your class on each day or all students on one day. After you have completed the testing you may wish to record the scores for your records. Then forward all completed answer sheets to SWRL in the enclosed pre-addressed envelope.

Your cooperation in providing this information as well as the Criterion Exercises is greatly appreciated.

Sincerely,

Ralph A. Hanson
Quality Assurance Department

RAH:sk
Enclosures

Appendix D

DIRECTIONS FOR ADMINISTERING THE FYCSP MIDTERM AND POSTTEST

1. Select a testing area that is appropriate for individual testing. The area should be relatively quiet.

2. Record the student's name (first and last), teacher's name, school, district, and the date at the top of the answer sheet.

3. The test is divided into 8 subtests; 5 questions in each subtest. The top 4 subtests are for selected responses and the bottom 4 subtests are for constructed responses.

4. In administering the test, complete the 4 subtests at the top of the answer sheet, and then the 4 subtests on the bottom. Present the stimulus cards in numerical order (numbers are at the bottom right hand corner). There is one stimulus card for each item. Read the instructions at the top of each subtest, exactly as quoted for each item in the subtest. For example, on Outcome 1, subtest 1, you would read the instructions, "Point to the word ---", for each of the five items.

5. Read the instructions and then record the <u>first</u> response the student makes by circling the "+" for a correct response or the "-" for an incorrect response. If the child makes no response within 10 seconds, record it as an incorrect response by circling the "-" and then go to the next item.

6. Whether or not the student gives a correct response, say "O.K." and then go on to the next item.

7. No hints, verbally or by gesture, are to be given.

8. The score for each subtest is the total number of correct answers. For each subtest count the number of plus signs circles and record that number on the line provided at the bottom of each subtest. Add the number of correct selected responses together and record the total on the line provided. Use the same procedure for the total correct constructed responses. Then add the total selected and constructed responses together and place that grand total on the line at the bottom of the answer sheet.

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Appendix E

POSTTEST COVER LETTER

The information provided throughout the school year by the teachers and pupils participating in the First Year Communication Quality Assurance Program has been extremely useful in improving the program. There is one final item of information we ask that you provide and this is the end of program test.

The test contains 40 items and is designed to be individually administered. Enclosed with this letter is:

1. An instruction sheet which gives the procedures you should follow in administering the test.

2. One set of stimulus cards which is used to present the test items to each pupil.

3. An answer sheet for each pupil on which to record the pupil's responses.

The test includes questions on the four separate outcomes and content from all 10 units of the First Year Communication Skills Program. You should present all items in the test to each pupil even though they may not have received instruction on all units at this time.

We ask that you administer the test anytime before June 4, 1971. You may test part of your class on each day or all students on one day. After you have completed the testing you may wish to record the scores for your records. Then forward all completed answer sheets to SWRL in the enclosed pre-addressed envelope.

Your cooperation in providing this information as well as the other Quality Assurance information throughout the school year is greatly appreciated.

Sincerely,

Ralph A. Hanson
Quality Assurance Program

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Enclosures